

Tuesday, November 15, 2016 2:53:33 PM

Page 1

Accept

N900040100

Setup Start

~~*NS1*~~

Revision ID:

Item Name: Wiper Deflector Aft

Stop

NS2

Start Date: 12/5/2016 **Start Qty:** 6.00

~~*6*~~

Cust Item ID:

Required Date: 12/8/2016 **Req'd Qty:** 6.00

~~*6*~~

Customer:

Reference:

Approvals: _____ **Process Plan:** _____

Date: 16/11/18

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):**Date:**

Stop

NR2

[illegible]

Work Order ID 153312

Tuesday, November 15, 2016 2:53:33 PM

153312

Page 2

Item ID: 647.1601**Accept*****N900040100*****Setup Start*****NS1*****Revision ID:****Item Name:** Wiper Deflector Aft**Stop*****NS2*****Start Date:** 12/5/2016 **Start Qty:** 6.00***6*****Cust Item ID:****Required Date:** 12/8/2016 **Req'd Qty:** 6.00***6*****Customer:****Reference:****Approvals:****Process Plan:****Date:****Tooling:****Date:****Run****Start*****NR1*****QC:****Date:****SPC (Y/N):****Date:****Stop*****NR2*****Sequence ID/
Work Center ID****Operation
Description****Set Up/
Run Hours****Tool ID****Tool #****Plan
Code****Accept
Qty****Reject
Qty****Reject
Number****Insp.
Stamp**

140

Identify as per dwg & Stock Location: CCK091 0.00***140***

Packaging

Memo

0.01

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

Packaging

5

5

DEC 2 1 2016

DAS
6
9-89

150

QC21- Final Inspection - Work Order Release 0.00

150

QC

Memo

0.10

Quality Control

DAS
21
9-89

DEC 2 1 2016

DAS
21
9-89

DEC 2 1 2016

Picklist Print

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Page 1

Work Order ID: 153312

153312

Parent Item: 647.1601

647 1601

Parent Item Name: Wiper Deflector Aft

Start Date: 12/5/2016

Required Date: 12/8/2016

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV:A 12.10.04 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

647.1611

Manufactured No

Each 1.0000

6

647 1611

Wiper Deflector, Aft

**

52

AS

DEC 05 2016

Location

Loc Qty

Loc Code

B 153783 5

CCK091

1

148293

1

647.1612

Manufactured No

Each 4.0000

12

647 1612

Splice Plate

**

8 X 521493

AS

DEC 05 2016

Location

Loc Qty

Loc Code

CCK108

4

151467

4

NAS1149FN832P

Purchased No

Each 1,463.000

36

NAS1149FN832P

Washer

**

DEC 05 2016

Location

Loc Qty

Loc Code

GA

1285

M135058

1285

ST263

178

M135603

178

MS21042-08

MS21042L08

Purchased No

Each 0.0000

18

MS21042-08

USE MS21042L08

**

1357414

AS

DEC 05 2016

Picklist Print

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Page 2

Work Order ID: 153312

153312

Parent Item: 647.1601

647.1601

Parent Item Name: Wiper Deflector Aft

Start Date: 12/5/2016

Required Date: 12/8/2016

Start Qty: 6.00

Required Qty: 6.00

MS27039-08-12

Purchased

No

Each

124.0000

18

MS27039-08-12

Screw

DAS
6
9-99
DEC 05 2016

Location

Loc Qty

Loc Code

ST278

124

123352

24

124326

100

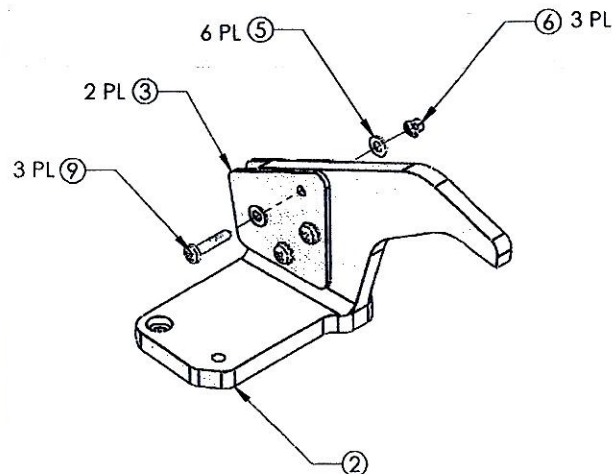
18

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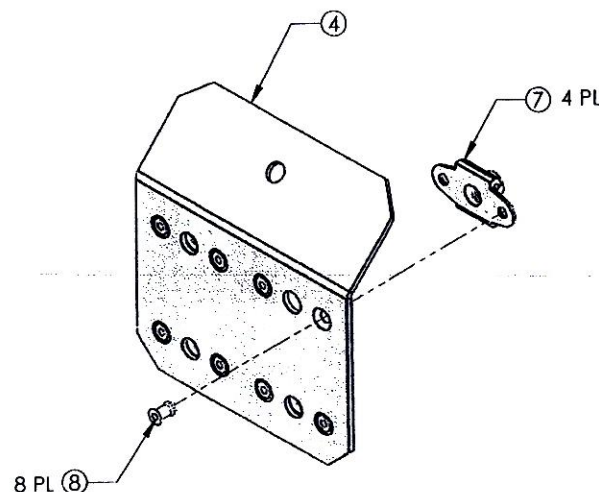
REVISION			
REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISION #81		H/C
2	FINAL RELEASE	06/10/07	P. BRAVO
3	REWORKED 06/06/07	06/22/07	P. BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 AMS-QQ-A-250/12
- 2 MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4
- 3 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER PRIME IAW MIL-P-23377J TYPE I CLASS N
4. DEBURR AND BREAK ALL SHARP EDGES
5. IDENTIFY IAW MPP-120



647.1601 SHOWN EXPLODED



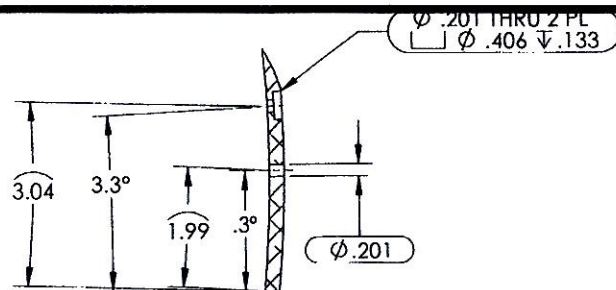
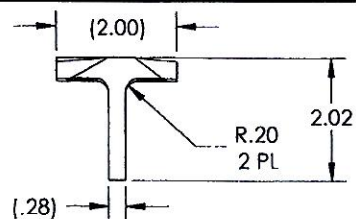
647.1602 SHOWN EXPLODED

UNINCORPORATED ECN(S)

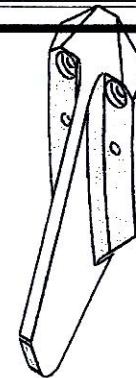
04229

QTY	3	9	601.2989	SCREW	MS2039-0812	
8	8	601.2980	NUTPLATE RIVET	CCR28455-3-04		
4	7	601.1900	NUTPLATE	MS21059-3		
3	6	601.2973	LOCKNUT	MS21042-03		
6	5	601.2764	WASHER	MSA1140FMS320P		
1	4	647.1613	DOUBLER		1	3
2	3	647.1612	SPLICE PLATE		1	3
1	2	647.1611	WIPER DEFLECTOR, AFI		1	3
1	1	647.1610	WIPER DEFLECTOR, FWD		1	3
X		647.1602	DOUBLER ASSY			
X		647.1601	WIPER DEFLECTOR ASSY, AF			
1.602	1.601	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
PARTS LIST			APICAL INDUSTRIES			
NEXT ASSY (S)			2608 TEMPLE HEIGHTS DR.			
647.1300			OCEANSIDE, CA. 92056-3512 (760)724-5300			
			WIPER DEFLECTOR ASSY			
			UNLESS OTHERWISE SPECIFIED			
			DIMENSIONS ARE IN INCHES			
			TOLERANCES ARE			
			2 PLACE DECIMALS ±.01			
			3 PLACE DECIMALS ±.005			
			ANGLES ±.5°			
			SCALE NONE			
			SHEET 1 OF 6			

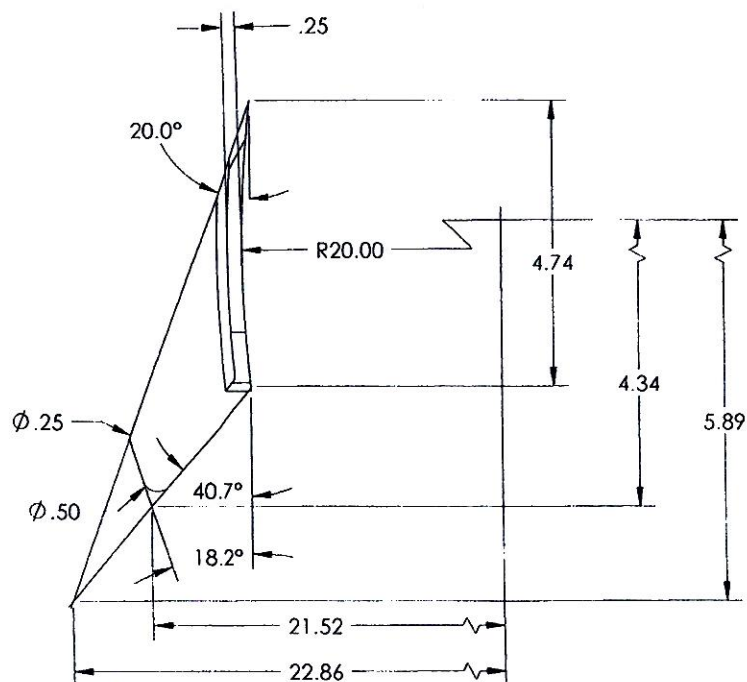
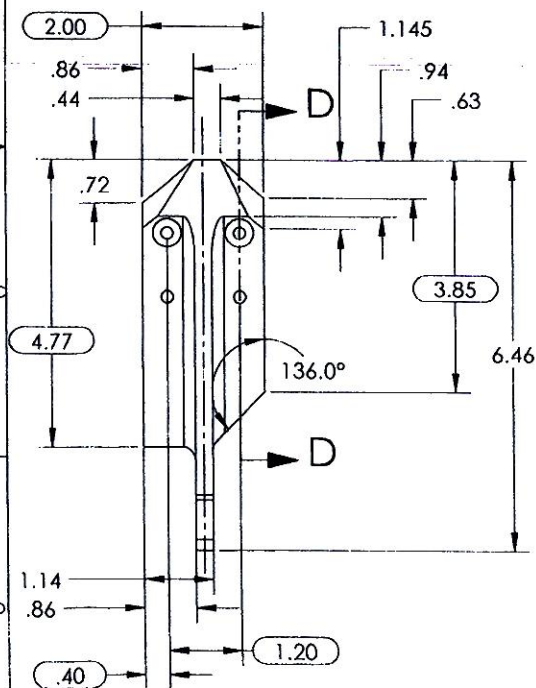
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SECTION D-D

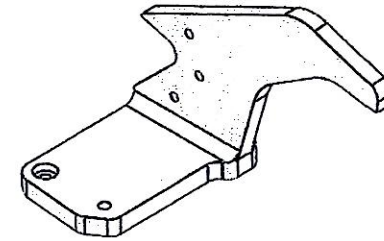
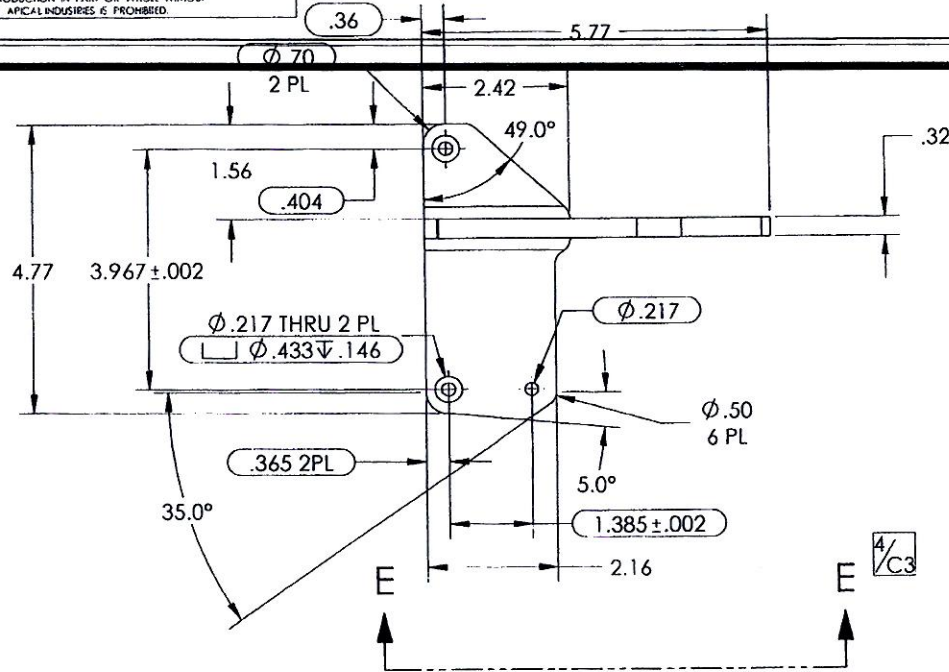


647.1610

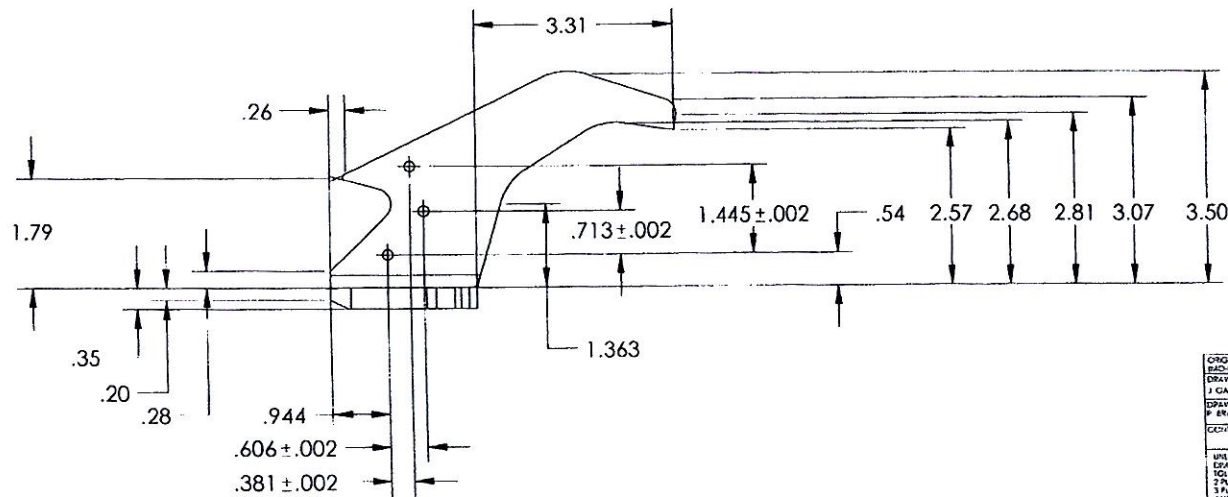


ORIGINAL DATE REV. DATE: 11/10/00		APICAL INDUSTRIES	
DRAWN BY: J. CAPOHER		2608 TEMPLE HEIGHTS DR.	
CHECKED BY: P. BRAVO		OCEANSIDE, CA. 92056-3512 (760) 724-5300	
CONTRACT 110		WIPER DEFLECTOR ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ± .005 2 PLACE DECIMALS ± .010 1 PLACE DECIMALS ± .020 ANGLES ± .5°		REV. B	DATE 07/14/06
SCALE: NONE		DWG. NO. 647.1600	SHEET 2 OF 6

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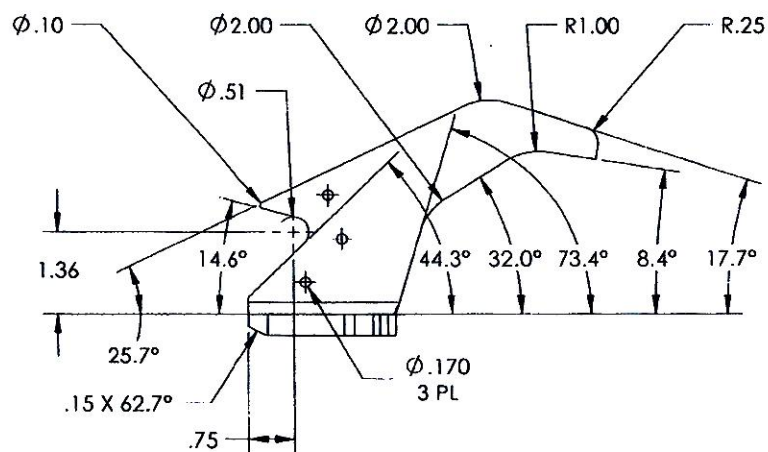
647.1611



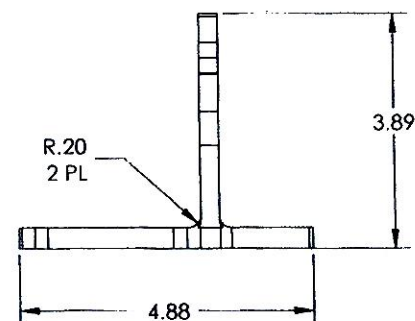
ORIGINAL DATE
 06/01/00
 DRAWN BY
 J. GARDNER
 CHECKED
 P. BRAY
 DRAWING APPROVAL
 P. BRAY
 CONTRACT NO.
 647.1600

APICAL INDUSTRIES
 2608 TEMPLE HEIGHTS DR.
 OCEANSIDE, CA 92056-3512 (760)724-5300
 WIPER DEFLECTOR ASSY
 SCALE: NONE
 SHEET 3 OF 4

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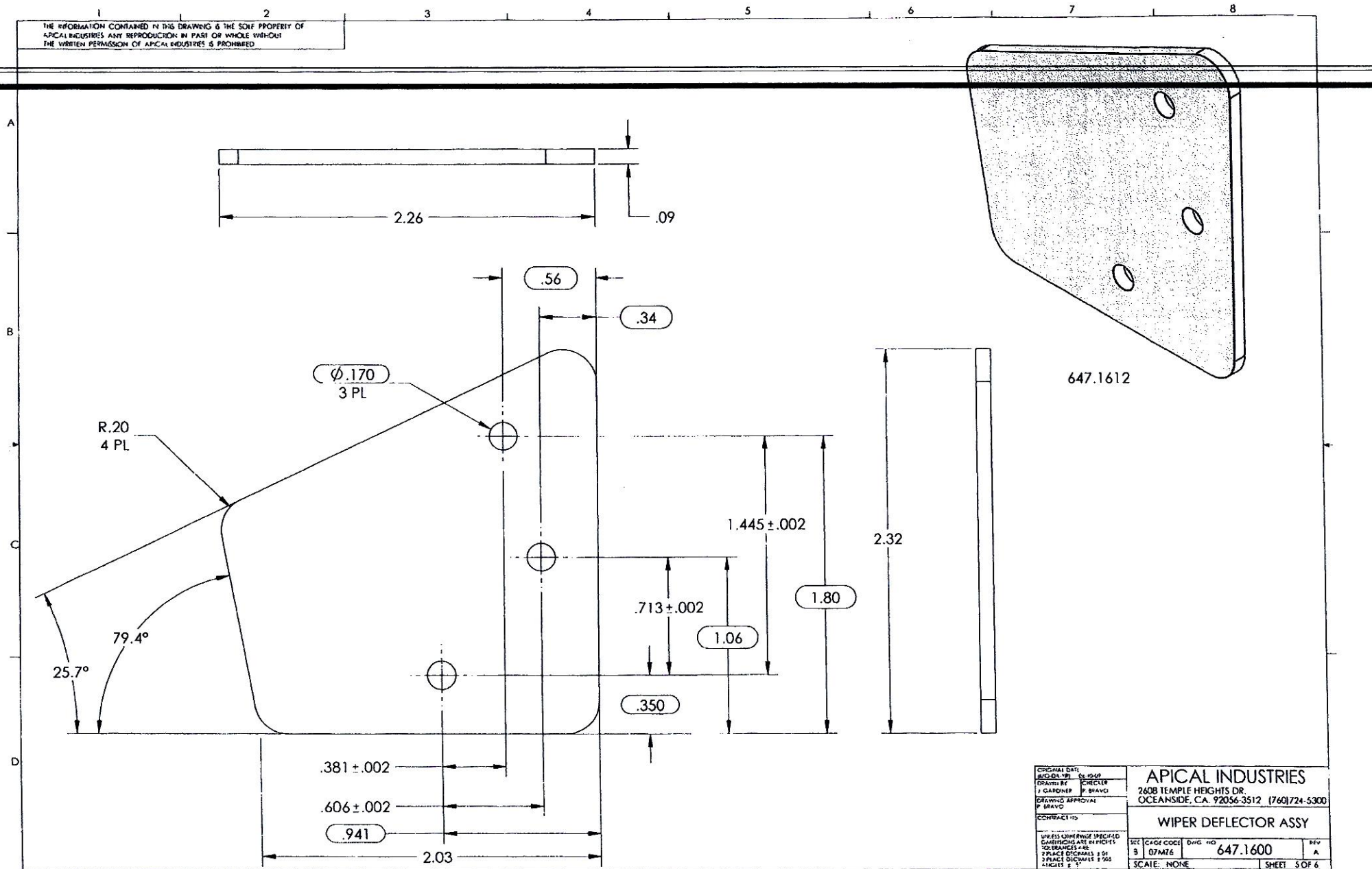


SECTION E-E $\frac{3}{84}$



ORIGINAL DATE REVISION NO. 06-10-09		APICAL INDUSTRIES	
DRAWN BY: F. WICKER		2608 TEMPLE HEIGHTS DR.	
J. GARDNER P. BRAVO		OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL: P. BRAVO		WIPER DEFLECTOR ASSY	
CONTRACT NO.		SCALE: NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.01 ANGLES 1°		SHEET 4 OF 6	REV A
SHEET 4 OF 6	CAGE CODE B 07MA26	DWG. NO. 647.1600	REV A

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ORIGINAL DATE 01/01/01		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY J. GARDNER		CHECKED BY J. BRAY	
DRAWING APPROVAL J. BRAY		WIPER DEFLECTOR ASSY	
CONTRACT NO.		SEE CAGE CODE 07M76	DWG. NO. 647.1600
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS ARE TO 3 PLACES FRACTIONS ARE TO 16THS ANGLES ARE TO 10 MINUTES		SCALE: NONE	REV A
		SHEET 5 OF 6	

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Ø.18 THRU

1.24

.40

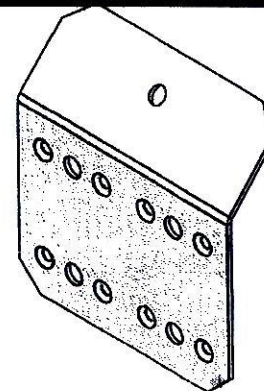
2.83

FLAT PATTERN

.294

.344

.688



647.1613

Ø.104 THRU 8 PL

✓ Ø.199 X 100°

Ø.196
4 PL

1.071

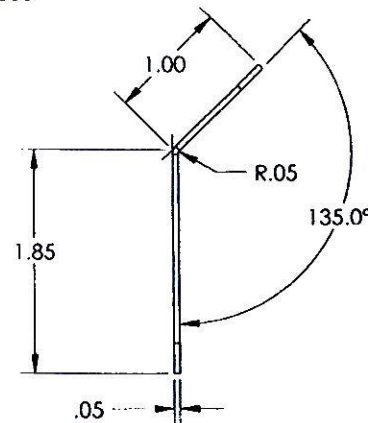
.400

.25 X 45.0°
4 PL

(.600)

(1.24)

2.48



ORIGINAL DATE 08-10-00	APICAL INDUSTRIES
DRAWN BY J. GARDNER	7608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300
CHECKED BY P. BRAY	
DATE OF APPROVAL 07/10/00	
CONTRACT NO.	
DRAWING OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 1 PLACE DECIMALS ±.01 2 PLACE DECIMALS ±.005 ANGLES 1°	WIPER DEFLECTOR ASSY
SIZE B	SCALE NONE
CAGE CODE 071026	DWG NO 647.1600
REV A	SHEET 6 OF 6